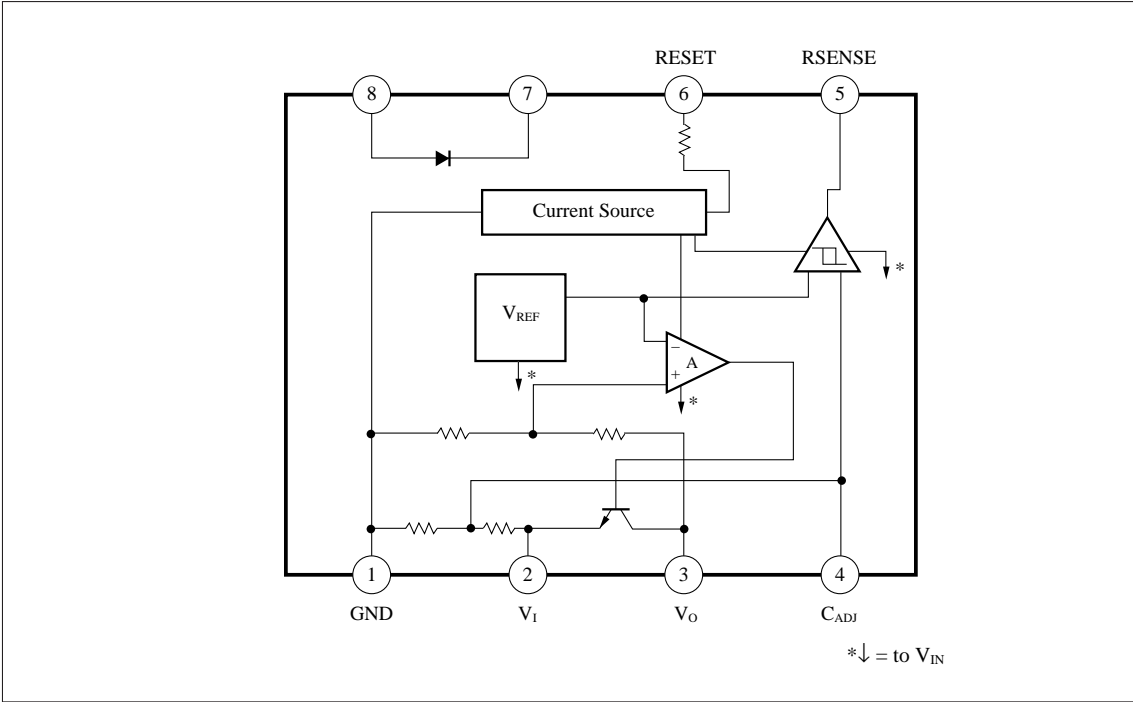


■ Block Diagram



■ Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit	
Supply voltage	V _{CC}	−12 to + 0.3	V	
Supply current	I _{CC}	—	mA	
Power dissipation	P _D	AN8060	500	mW
		AN8060S	361	
Operating ambient temperature	T _{opr}	−20 to + 75	°C	
Storage temperature	T _{stg}	AN8060	−55 to + 150	°C
		AN8060S	−55 to + 125	

■ Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Bias current at reset	I_{RB}	$V_{RESET}=0V$, $V_I=-6V$	—	—	5	μA
Bias current at no load	I_{UB}	$V_I=-6V$	—	2.5	6	mA
Output voltage	V_O	$V_I=-6V$, $I_O=10mA$	-4.08	-3.92	-3.76	V
Output voltage tolerance	V_T	$V_I=-4.4$ to $-8V$, $I_O=1$ to $30mA$	-4.06	—	-3.66	V
Stable input voltage	V_{IS}	$V_I=-4.4$ to $-7.4V$, $I_O=10mA$	—	3.6	60	mV
Stable lock voltage	V_{LS}	$V_I=-6V$, $I_O=1$ to $30mA$	—	8	60	mV
Input/Output voltage difference	V_{IOS}	$V_I=-3.8V$, $I_O=30mA$	—	0.1	0.2	V
Reset pin input current (H)	I_{RICH}	$V_I=-6V$, $V_{RESET}=0V$	-1	—	—	μA
Reset pin input current (L)	I_{RICL}	$V_I=-6V$, $V_{RESET}=-6V$	-200	—	—	μA
Low supply voltage sending level	V_{RDL}	$I_O=10mA$	-4.55	-4.3	-4.05	V
Output voltage at reset	V_{RO}	$V_{RESET}=0V$, $V_I=-6V$	-0.1	—	—	V
Comparator output current	I_{CO}	$V_I=-4V$, $V_{RSENSE}=-3.6V$	1	—	—	mA

■ Characteristics Curve

